

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1767 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Bright, J (Mitch)	Locality:	
Date Desc.:	23/07/93	Elevation:	No Data
Map Ref.:	Sheet No. : 8155 GPS	Rainfall:	No Data
Northing/Long.:	7659580 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	435748 Datum: AGD66	Drainage:	Imperfectly drained

Geology

Exposure Type:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Undisturbed soil core, Sandstone

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Mid-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	5 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Bleached-Sodic Eutrophic Red Dermosol Thin Non-gravelly		Principal Profile Form:	Gn3.14
Clay-loamy Clayey Moderately deep			
ASC Confidence:		Great Soil Group:	Red podzolic soil
Confidence level not specified			

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation: Low Strata - Hummock grass, <0.25m, Isolated plants. *Species includes - Triodia mitchellii, Aristida species
Mid Strata - , , . *Species includes - None recorded
Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Acacia catenulata, Eucalyptus thozetiana

Surface Coarse Fragments: 0-2%, coarse gravelly, 20-60mm, subrounded platy, Sandstone

Profile Morphology

A1	0 - 0.05 m	Dark brown (10YR3/3-Moist); ; Clay loam, sandy; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 5.5 (Raupach, 0.03); Clear change to -
A2	0.05 - 0.2 m	Dark reddish brown (5YR3/4-Moist); Mottles, 10YR51, 10-20% , 0-5mm, Faint; Mottles, 10-20% ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 5 (Raupach, 0.1); Gradual change to -
A3	0.2 - 0.5 m	Dark red (2.5YR3/6-Moist); Mottles, 2.5YR60, 10-20% , 0-5mm, Faint; Mottles, 10-20% ; Sandy light clay; Weak grade of structure, 5-10 mm, Subangular blocky; Rough-ped fabric; Dry; Firm consistence; 2-10%, medium gravelly, 6-20mm, subrounded, dispersed, Ironstone, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 5 (Raupach, 0.3); Clear change to -
B21	0.5 - 1.1 m	Strong brown (7.5YR2/8-Moist); Mottles, 5YR52, 10-20% , 0-5mm, Distinct; Mottles, 10-20% ; Medium clay; Moderate grade of structure, 2-5 mm, Angular blocky; Smooth-ped fabric; Dry; Very firm consistence; 2-10%, medium gravelly, 6-20mm, subrounded, dispersed, Ironstone, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.7); Gradual change to -
B22	1.1 - 1.7 m	Red (2.5YR5/8-Moist); ; Light medium clay; Dry; , Calcareous, , ; , Gypseous, , ; Field pH 5.5 (Raupach, 1.2);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable Acidity		CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na				%
						Cmol (+)/kg				

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size	Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV CS FS	Silt Clay
								%	

Depth	COLE	Gravimetric/Volumetric Water Contents						K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar	
m					g/g -	m3/m3			mm/h

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Laboratory Analyses Completed for this profile